

Amendment to the Specification:

Please replace paragraph [0158] with the following amended paragraph:

[0158] The at least partially vaporized effluent stream is passed through drum outlet 18, optionally through an optional wash column demister 20 comprising packing and demister screens 22 and 24 and having an upper inlet 26 for a wash column demister liquid oxygenate reflux 28 and eventually fed as vapor via line 30 into an OTO reactor, not shown, and/or directed through condenser 32 to an upper inlet 34 of condenser drum 36 having a bottoms outlet 37 through which liquid condensed oxygenate is passed to pump 38 for transmission to condenser drum recycle inlet 40, to wash column demister 20 as a demister wash column wash via reflux 28, and/or to an OTO reactor via line 42. Thus, in one embodiment of the invention, a liquid feed is fed into the OTO reactor. This liquid feed should be free of non-volatiles and, preferably, low-volatiles and kept close to its vapor point. The liquid feed is used to control the temperature in the OTO reactor and the proportion of vapor to liquid feed used is dependent on the OTO reactor conditions as described above. The wash column demister 20 will further remove any ~~entrenched~~ entrained non-volatiles.